

AbstractPMD Measurement and Compensation

5 A polarization mode dispersion (PMD) compensator for  
compensation of PMD in polarization bit interleaved (PBI)  
optical signals is disclosed. The control uses spectral  
analysis of components of the electrical output,  
particularly analysis of a spectral component having a  
10 frequency corresponding to the bit frequency of the two  
bit streams which form the bit interleaved signal.  
Minimising this spectral component results in alignment  
of the signal in the system at 45 degrees to the two  
principal axes. An apparatus for measuring PMD based on  
spectral analysis is also disclosed.

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